

Abstract of the Disclosure

Disclosed is a method and a system for preventing a call drop by limiting a search time for a 1X system during a 1xEV-DO system traffic state. The system comprises a hybrid access terminal, supporting both a 1xEV-DO system and a 1X system, for periodically switching over to the 1X system while in traffic with the 1xEV-DO system, updating an overhead message, checking a search time and switching over to the 1xEV-DO system based on a result of the search time; a base station transceiver subsystem including a 1xEV-DO transceiver subsystem for exchanging a packet data with the hybrid access terminal and a 1X transceiver subsystem for exchanging a voice or data with the hybrid access terminal; a base station controller including a 1xEV-DO controller for controlling a packet data transmission service of the 1xEV-DO transceiver subsystem and a 1X controller for controlling a transmission service of the 1X transceiver subsystem; and a packet data serving node connected to the 1xEV-DO controller for exchanging the packet data with the 1xEV-DO system.